



## RAW SEQUENCE LISTING ERROR REPORT

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The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/707,738A

Source:

1600

Date Processed by STIC:

8/14/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRE SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER** VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
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3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003



1600

## RAW SEQUENCE LISTING

DATE: 08/14/2003

PATENT APPLICATION: US/09/707,738A

TIME: 15:30:47

Input Set : A:\-62-5.app

Output Set: N:\CRF4\08142003\I707738A.raw

4 <110> APPLICANT: Sette, Alessandro  
 5 Gaeta, Federico  
 6 Grey, Howard M.  
 7 Sidney, John  
 8 Alexander, Jeffery L.  
 9 Epimmune Inc.  
 11 <120> TITLE OF INVENTION: Induction of Immune Response Against  
 12 Desired Determinants  
 14 <130> FILE REFERENCE: 018623-006250US  
 16 <140> CURRENT APPLICATION NUMBER: US 09/707,738A  
 17 <141> CURRENT FILING DATE: 2000-11-06  
 19 <150> PRIOR APPLICATION NUMBER: US 08/121,101  
 20 <151> PRIOR FILING DATE: 1993-09-14  
 22 <150> PRIOR APPLICATION NUMBER: US 08/305,871  
 23 <151> PRIOR FILING DATE: 1994-09-14  
 25 <150> PRIOR APPLICATION NUMBER: US 08/485,218  
 26 <151> PRIOR FILING DATE: 1995-06-07  
 28 <150> PRIOR APPLICATION NUMBER: US 60/010,510  
 29 <151> PRIOR FILING DATE: 1996-01-24  
 31 <150> PRIOR APPLICATION NUMBER: US 08/788,822  
 32 <151> PRIOR FILING DATE: 1997-01-23  
 34 <150> PRIOR APPLICATION NUMBER: US 09/310,462  
 35 <151> PRIOR FILING DATE: 1999-05-12  
 E--> 37 <160> NUMBER OF SEQ ID NOS: 25 27 (p.3)  
 39 <170> SOFTWARE: FastSEQ for Windows Version 3.0

Does Not Comply  
Corrected Diskette Needed

pp 1-3

## ERRORED SEQUENCES

453 <210> SEQ ID NO: 26  
 454 <211> LENGTH: 13 16 shown (p.2)  
 455 <212> TYPE: PRT  
 456 <213> ORGANISM: Artificial Sequence  
 458 <220> FEATURE:  
 459 <223> OTHER INFORMATION: peptide binds more than one DR allele  
 W--> 461 <221> NAME/KEY: MOD\_RES  
 462 <222> LOCATION: (1)...(1)  
 463 <223> OTHER INFORMATION: Xaa = any D- or L-amino acid  
 W--> 465 <221> MOD\_RES  
 466 <222> LOCATION: (2)...(2)  
 467 <223> OTHER INFORMATION: Xaa = Ala or Lys  
 W--> 469 <221> MOD\_RES  
 470 <222> LOCATION: (3)...(3)

## RAW SEQUENCE LISTING

DATE: 08/14/2003

PATENT APPLICATION: US/09/707,738A

TIME: 15:30:48

Input Set : A:\-62-5.app

Output Set: N:\CRF4\08142003\I707738A.raw

471 <223> OTHER INFORMATION: Xaa = cyclohexylalanine, Tyr or Phe  
W--> 473 <221> MOD\_RES  
474 <222> LOCATION: (4)...(6)  
475 <223> OTHER INFORMATION: Xaa = Ala, Ile, Ser or Val  
W--> 477 <221> MOD\_RES  
478 <222> LOCATION: (7)...(7)  
479 <223> OTHER INFORMATION: Xaa = Ala, Ile, Ser or Val, Xaa at position 7 may  
480 be present or absent  
W--> 482 <221> MOD\_RES  
483 <222> LOCATION: (12)...(13)  
484 <223> OTHER INFORMATION: Xaa = Ala, Ser or Val  
W--> 486 <221> MOD\_RES  
487 <222> LOCATION: (14)...(15)  
488 <223> OTHER INFORMATION: Xaa = Ala, Ser or Val, Xaa at positions 14 and 15  
489 may be present or absent  
W--> 491 <221> MOD\_RES  
492 <222> LOCATION: (16)...(16)  
493 <223> OTHER INFORMATION: Xaa = any D- or L-amino acid  
W--> 495 <400> 26  
W--> 496 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Trp Thr Leu Lys Xaa Xaa Xaa Xaa Xaa  
E--> 497 1 5 10 15

see p3

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<210> 27 *last sequence in submitted file*  
<211> 4  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> pan DR binding peptide binding core

<400> 27  
Trp Thr Leu Lys  
1

*FYI* Use of n and/or Xaa has been detected in the Sequence Listing.  
Review the Sequence Listing to insure a corresponding  
explanation is presented in the <220> to <223> fields of  
each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/707,738A

DATE: 08/14/2003

TIME: 15:30:49

Input Set : A:\-62-5.app

Output Set: N:\CRF4\08142003\I707738A.raw

L:329 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
 L:333 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22  
 L:337 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22  
 L:338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
 L:350 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
 L:354 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23  
 L:358 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23  
 L:362 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23  
 L:366 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23  
 L:370 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23  
 L:374 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23  
 L:375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0  
 L:387 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
 L:391 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24  
 L:395 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24  
 L:399 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24  
 L:403 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24  
 L:407 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24  
 L:411 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24  
 L:412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
 L:424 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
 L:428 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25  
 L:432 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25  
 L:436 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25  
 L:440 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25  
 L:444 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25  
 L:448 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25  
 L:449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0  
 L:461 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
 L:465 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26  
 L:469 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26  
 L:473 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26  
 L:477 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26  
 L:482 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26  
 L:486 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26  
 L:491 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26  
 L:495 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26  
 L:496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0  
 L:497 M:252 E: No. of Seq. differs, <211> LENGTH:Input:13 Found:16 SEQ:26  
 L:37 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (25) Counted (27)